

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-015581**Date Inspected:** 09-Jul-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	Mr. Gong Wei		
Inspected CWI report:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A

CWI Present:	Yes	No	
Rod Oven in Use:	Yes	No	N/A
Weld Procedures Followed:	Yes	No	N/A
Verified Joint Fit-up:	Yes	No	N/A
Approved WPS:	Yes	No	N/A
Delayed / Cancelled:	Yes	No	N/A

Bridge No: 34-0006**Component:** OBG**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Nagalingam Pandaram Pillai was present during the times noted above for observations relative to the work being performed.

In process Inspection

Out Side Yard

This QA Inspector observed the following work in progress:

SMAW in the 4G position for the OBG Segment 11EE, weld No: SEG074A-004. The welder is identified as #054013. ZPMC QC is identified as Mr. Wang wei ming. The welding variables recorded by QC appear to comply with WPS-B-P-2214-B-U2-FCM-1. Please see the attached picture.

Bay#14

This QA Inspector observed the following work in progress:

SMAW in the 3G position for the OBG Segment 12AW, weld No: SEG3004J-170. The welder is identified as #047864. ZPMC QC is identified as Mr. Wang wei ming. The welding variables recorded by QC appear to comply with WPS-B-P-2213-TC-U4b-FCM-1.

This QA Inspector observed the following work in progress:

SMAW in the 4F position for the OBG Segment 12AW, weld No: OBW-12B-002/003. The welder is identified as

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#051348. ZPMC QC is identified as Mr. Wang wei ming. The welding variables recorded by QC appear to comply with WPS-B-P-2114-FCM-1.

Bay #16

This QA Inspector observed the following work in progress:

SAW in the 1G position for the OBG Segment 13AW Bottom Plate, weld No. BP3075-001-004. The welder is identified as #045270. ZPMC QC is identified as Mr. Tao wei. The welding variables recorded by QC appear to comply with WPS-B-T-2221-B-U3c-S-2. Please see the attached picture.

Magnetic Particle Testing:-

Bay#19

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated an MT report for this date. The member is identified as Bike Path. The weld designations reviewed are as follows:-

BK004A3-011-025,026,051,052

BK004A5-011-020,021,022,023,040,041,042,043

BK004A6-011-029,030

BK004A7-011-214,215,216,168,129,144,145,160,167,061,062,079,080,222,223,226,227.

BK004A8-011-029,030.

Ultrasonic Testing:-

Bay#14

This QA inspector performed Ultrasonic Testing (UT) of approximately 10% of the previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated an UT report for this date. The member is identified as OBG Segment 13 Bottom Plate. The weld designations reviewed are as follows:

BP3031-001-001,002,004,005.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

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Summary of Conversations:

No Relevant Conversation.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-0042-2372, who represents the Office of Structural Materials for your project.

Inspected By: Pillai, Pandaram

Quality Assurance Inspector

Reviewed By: McClendon, Timothy

QA Reviewer